

Converting Colors

Yxy(77.9201, 0.3074, 0.3146)

Have a look what the booklet for
Yxy(77.9201, 0.3074, 0.3146)
contains.

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Color

Yxy(77.6729, 0.3072, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	E7E2F0
RGB	231, 226, 240
RGB Percent	91%, 89%, 94%
CMY	0.0943, 0.1137, 0.0588
CMYK	0.04, 0.06, 0.00, 0.06
HSL	261°, 32%, 91%
HSV	261°, 6%, 94%
XYZ	75.8700, 77.6729, 93.4298
YIQ	229.0910, -1.5140, 5.4140

Conversions

Conversions Part 2

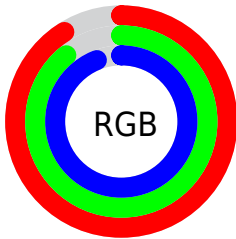
Format	Color
R _Y B	231, 226, 240
Decimal	15196912
CIE Lab	90.63, 4.20, -6.21
CIE LCh	91, 7.496, 304.112
Yxy	77.6729, 0.3072, 0.3145
Android (android.graphics.Color)	4293386992 (0xFFE7E2F0)
YUV	229.0910, 5.3781, 1.6742
Hunter-Lab	88.1322, -0.5669, -1.1613

Details

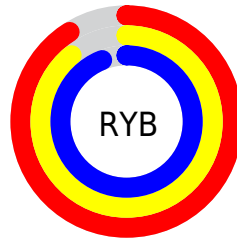
The Yxy color $77.6729, 0.3072, 0.3145$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $85.4828, 0.3180, 0.3434$, and the grayscale version is $78.3841, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.7005, 0.3056, 0.3116$ is the 20% darker color. If you saturate the color by 10%, you get $63.0562, 0.2965, 0.2876$, and if you desaturate by 10%, it is $94.3518, 0.3164, 0.3388$.

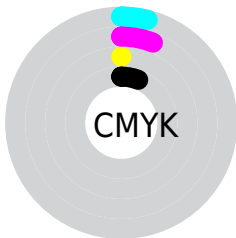
Distribution



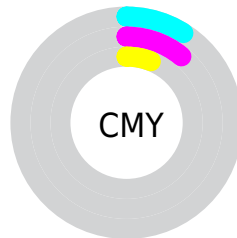
- Red (91%)
- Green (89%)
- Blue (94%)



- Red (91%)
- Yellow (89%)
- Blue (94%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6729, 0.3072, 0.3145 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 77.6729, 0.3072, 0.3145 by changing the saturation by 10% instead.

■ 77.6729, 0.3072,
0.3145

■ 77.6729, 0.3072,
0.3145

487.0552, 0.3097,
0.3211

■ 57.8053, 0.3066,
0.3130

130.0889, 0.3081,
0.3168

■ 41.6522, 0.3059,
0.3112

163.4061, 0.3084,
0.3176

■ 28.8290, 0.3050,
0.3089

201.9753, 0.3087,
0.3184

■ 18.9515, 0.3038,
0.3060

246.1810, 0.3090,
0.3191

■ 11.6352, 0.3022,
0.3021

296.4074, 0.3092,
0.3197

■ 6.4958, 0.2999,
0.2965

353.0389, 0.3094,

■ 3.1489, 0.2963,

0.3202

0.2881

416.4601, 0.3096,
0.3207

■ 1.2099, 0.2900,
0.2739

■ 0.0698, 0.2257,
0.0932

■ 77.6729, 0.3072,
0.3145

■ 77.6729, 0.3072,
0.3145

■ 63.0562, 0.2965,
0.2876

■ 94.3518, 0.3164,
0.3388

■ 50.4105, 0.2842,
0.2584

■ 99.0712, 0.3214,
0.3434

■ 39.6521, 0.2704,
0.2273

■ 30.6876, 0.2552,
0.1955

■ 23.4154, 0.2390,
0.1641

■ 17.7233, 0.2226,
0.1350

■ 13.4853, 0.2067,
0.1101

■ 10.5547, 0.1923,
0.0908

■ 8.7517, 0.1802,
0.0781

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6729, 0.2998, 0.3144



77.6729, 0.3072, 0.3145



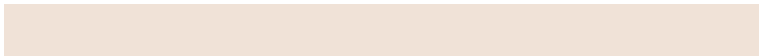
77.6729, 0.3161, 0.3184

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6729, 0.3072, 0.3145



77.6729, 0.3298, 0.3396



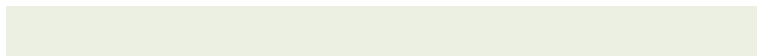
77.6729, 0.3013, 0.3330

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



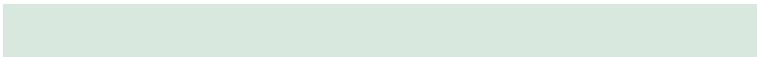
77.6729, 0.3072, 0.3145



85.4828, 0.3180, 0.3434

Split Complementary

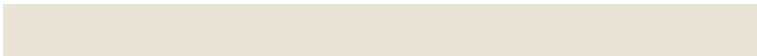
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6729, 0.3092, 0.3400



77.6729, 0.3072, 0.3145



77.6729, 0.3256, 0.3438

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6729, 0.3072, 0.3145



77.6729, 0.3292, 0.3327



77.6729, 0.3181, 0.3440



77.6729, 0.2965, 0.3249

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6729, 0.3072, 0.3145



77.6729, 0.3218, 0.3226



77.6729, 0.3181, 0.3440



77.6729, 0.3037, 0.3355

Sweetspot

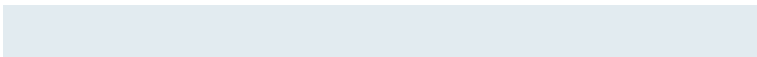
The Sweet Spot groups the original color and five complimentary colors.



77.6762, 0.3072, 0.3145



96.1693, 0.3109, 0.3241



81.9399, 0.3037, 0.3239



20.6243, 0.3110, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6762, 0.3072, 0.3145



87.0126, 0.3060, 0.3114



78.8536, 0.3119, 0.3147



16.1151, 0.3054, 0.3100



4.5659, 0.1774, 0.0751



0.4336, 0.1919, 0.0831

Inverse Universe

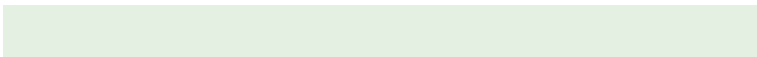
The Inverse Universe completely reimagines the original color for something new.



78.9285, 0.3166, 0.3198



88.7352, 0.3174, 0.3178



84.3243, 0.3134, 0.3436



16.4625, 0.3178, 0.3169



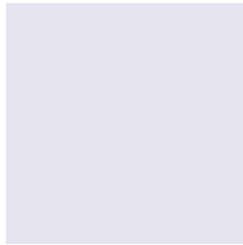
11.4646, 0.4353, 0.2172



0.9726, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 77.6729, 0.3072, 0.3145 looks on a white background.

Color Contrast Check

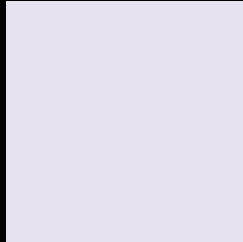
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 77.6729, 0.3072, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

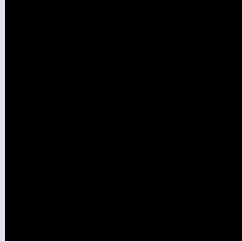
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

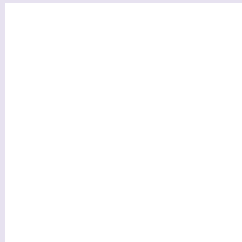
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6729, 0.3072, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 77.6729, 0.3072, 0.3145.

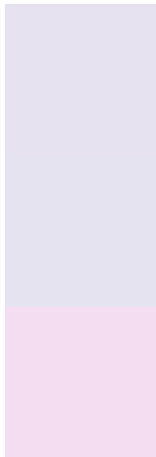


This preview shows how white text looks on a background with the Yxy color 77.6729, 0.3072, 0.3145.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.6729, 0.3072, 0.3145

Protanopia

77.8875, 0.3058, 0.3155

Deuteranopia

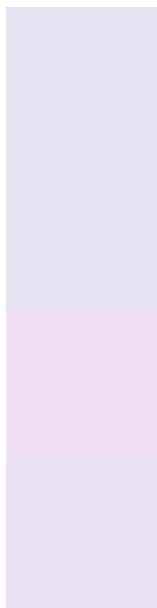
77.2969, 0.3158, 0.3088



Tritanopia

77.3104, 0.3054, 0.3104

Trichromacy



Original Color

77.6729, 0.3072, 0.3145

Protanomaly

78.0524, 0.3065, 0.3155

Deuteranomaly

77.4769, 0.3122, 0.3106

Tritanomaly

77.2502, 0.3060, 0.3114

Monochromacy



Original Color

77.6729, 0.3072, 0.3145

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1930, 0.3109, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6729, 0.3072, 0.3145 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(231, 226, 240)` looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(231, 226, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 240) }
```

Border

The CSS property to change the border of an element to Yxy 77.6729, 0.3072, 0.3145 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(231, 226, 240) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(231, 226, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(231, 226, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 226, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 226, 240); box-shadow:4px 4px 4px 4px rgb(231, 226, 240) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.6729, 0.3072, 0.3145$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(231,  
226, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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